

COUNTY OF ANGLESEY.

INSTITUTE OF SOCIAL
MEDICINE

10, PARKS ROAD,
OXFORD

ANNUAL REPORT

of the

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1945.

ARNOLD DAVIES, B.A., M.D., D.P.H.,

County Medical Officer

W. O. Jones (Printers) Limited, Llangefni.

*To the Chairman and Members of the Public Health
and Housing Committee*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present to you my Annual Report on the health of the County for the year 1945.

The statistical tables are not as favourable as those for the previous year. There is a lowered Birth Rate and a higher Death Rate.

The Death Rate for Tuberculosis which showed a marked decline for 1944 has attained a higher level in 1945. The Cancer Death Rate has increased.

The Infant Mortality Rate is again high, the increase being most noticeable in the Rural Areas.

I am much indebted to all, who, by their interest and co-operation in the Public Health Service, contributed to maintenance of the health of the County.

I am,

Your obedient Servant,

ARNOLD DAVIES,

County Medical Officer.

ANNUAL REPORT

of the

COUNTY MEDICAL OFFICER

1945.

SECTION A

I—General Statistics

Area (acres)	176,694
Population—Estimated mid-year 1945—For Birth Rate and for Death Rate	46,070
Number of Inhabited Houses, 1934	13,110
Number of Families or Separated Occupiers	13,186
Rateable Value as at 1st April, 1946	£182,664
Sum produced by a Penny Rate 1945-46 (estimated)	£700 0 2

II—Extracts from Vital Statistics of the Year

	<i>Total</i>	<i>Males</i>	<i>Females</i>
Births—Legitimate	718	354	364
Illegitimate	97	44	53
Total	815	398	417
Stillbirths	25	16	9
Rate per 1,000 Births	31		
Deaths	731	379	354
Number of women dying in, or in consequence of Childbirth : 1.			
Deaths of Infants under one year of age :			
Legitimate—Rate per 1,000 Births			72
Illegitimate—do.			82
Total do.			74
Deaths from Measles (all ages)—Rate per 1,000 population			Nil
Deaths from Whooping Cough do.06
Deaths from Diarrhoea (under 2 years) do.15

Causes of Infant Deaths, 1945

No.		Urban		Rural		Total
		M.	F.	M.	F.	
3	Scarlet Fever	1				1
4	Whooping Cough				3	3
5	Diphtheria	1				1
7	Tuberculosis other forms	1				1
9	Influenza	1				1
21	Bronchitis	1		1	1	3
22	Pneumonia			3	2	5
25	Diarrhoea	2		3	2	7
27	Other Digestive Diseases			1		1
28	Nephritis			1		1
31	Premature Birth	2	1	5	5	13
32	Congenital mal., birth inj., infant dis.	3	4	8	5	20
35	Other violent diseases	2				2
36	All other causes			1		1
		14	5	23	18	60
No. of Births		160	155	238	262	815

Midwives

The total number of Inspection Visits to Midwives	86
Number of Midwives :	
North Wales Nurses	22
Queen's Nurses	5
Independant Trained	16
Total	43
Midwifery Cases attended	422
Maternity Cases attended	137

MEDICAL AID* TO MIDWIVES

Number of Cases in which Medical Aid was summoned during the year by a Midwife : 74.

Institutional Provision for Mothers and Children

Eight Mothers were admitted to the Home, Valley for their confinement.

Three hundred and thirty-three Mothers were admitted to the County Hospital, Bangor, under the Complicated Midwifery Scheme.

County Hospital Maternity Department

REPORT ON ANGLESEY CASES FOR 1945

by

O. Vaughan Jones, M.D., F.R.C.S., M.R.C.O.G.

COUNTY HOSPITAL ADMISSIONS :

Maternity Admissions..	316
Maternity Cases	283
Gynaecological Cases	44
Post-Natal Admissions	4
Neo-Natal Admissions	2
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Total Cases Admitted ..	333
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28 Emergency Cases were sent in by Practitioners.

189 Normal Confinements.

5 Twins.

106 Complicated Cases were treated.

13 Cases with Concurrent Disease.

23 Blood Transfusions.

INFANTS :

Stillbirths : 14.

Neo-Natal Deaths : 14.

Neo-Natal Conditions : 64.

MATERNAL MORTALITY :

No Maternal Deaths.

1 other Death.

GYNAECOLOGICAL :

Gynaecological Cases : 44.

22 Emergency Admissions.

6 Blood Transfusions.

DISTRICT WORK :

6 Emergency district calls from Practitioners.

PRE-NATAL AND POST-NATAL CLINICS :

Clinic Centre	Number of Cases			Total Attendances
	Pre- Natal	Post- Natal	Gynaecol- ogical	
Llangefni	87	40	10	243
Holyhead	132	49	49	377
Amlwch	67	32	12	204
Menai Bridge	41	33	9	136
Totals	327	154	80	960

*Comments**Maternal Deaths ;*

There were no maternal deaths of Anglesey Cases confined in Hospital.

One patient with complications died after confinement.

G.A., Anglesey :

Admitted 10.1.45.

Died 7.2.45.

- (i) Multigravida, aed 37, full term.
- (ii) Non-Clinic.
- (iii) Admitted in labour with laryngeal diphtheria—normal confinement—deep femoral thrombosis—pulmonary embolus.
- (iv) Circumstances—fair.
- (v) Death due to pulmonary embolus, secondary to diphtheria and confinement.

Still-Births ;

There were 14 Still-Births, 3 of which were abnormal infants and one dead before confinement. The remainder were within the field of obstetric risk. It was estimated that 59% of all cases of Still-Births occurring in Hospital attended the Pre-Natal Clinics.

Neo-Natal Deaths ;

Fourteen neo-natal deaths occurred, two being abnormal babies. The others succumbed to complications. The loss of these infants causes great concern and I have already suggested to the Caernarvonshire Committee that the appointment of a paediatrician would be invaluable.

Gynaecological Cases ;

The number of Gynaecological admissions has been reduced because more cases are being admitted to the C. & A. Infirmary, but nevertheless, the bed accommodation for these cases is much inadequate at present and more accommodation is urgently required in the district.

District Work ;

Six emergency cases were treated on the district.

Pre-Natal Clinics ;

The number of attendances at the Clinics has dropped this year, but there was still a fair attendance.

My thanks are due to the Nurses and voluntary workers who help in these clinics.

Infant Welfare Centres

Number of Centres provided and maintained by the Council : 14.

Total number of children who first attended the Centres during the year and who on the date of their first attendance, were :

- (1) Under 1 year of age : 352 ;
- (2) Between the age of 1 and 5 years : 50.

Total number of children under 5 years of age who attended at the Centres during the year and who, at the end of the year, were :

- (1) Under 1 year of age : 328 ;
- (2) Over 1 year of age : 533.

Inspection and Supervision of Food

FOOD AND DRUGS INSPECTOR'S REPORT

January 1st—December 31st, 1945

(a) *Food and Drugs Act, 1938 :*

One hundred and eighty-nine samples were submitted to the Public Analyst for analysis. Unsatisfactory reports were received in respect of 81 samples. Of the 141 milk samples included in the above samples, 72 were reported as being "Not Genuine".

Details of the "Non Genuine" reports are as follows :

Milks ;

57 Samples low in Solids not Fat. Freezing Point normal. No evidence of added water.

5 Samples low in both Fat and Solids not Fat. Appeal to Cow samples revealed that the cows were giving milk low in fat and solids not fat.

1 Sample low in fat. Appeal to Cow sample revealed that the cows were giving milk low in fat.

1 Sample (Formal) 13% added water. Appeal to Cow sample was certified as being Genuine. Proceedings were instituted and defendant fined £1 and ordered to pay £12 10s. 11d. costs.

1 Sample 10% added water	}	From same vendor. Proceedings instituted in respect of 20% addition. Fined £5 and ordered to pay £3 6s. costs.
1 Sample 20% added water		
1 Sample 7% added water		

1 Sample (Informal) 7% added water. This sample was sour upon arrival which affects the Freezing Point. This sample is being followed. Subsequent samples so far taken have all been genuine.

1 Sample deficient to the extent of 7% of fat. An Appeal to Cow sample indicated a deficiency of 22% of the fat. Proceedings were instituted and the defendant fined £1 and ordered to pay £5 7s. costs.

1 Sample deficient to the extent of 15% of fat. An Appeal to Cow sample indicated a deficiency of 20% of the fat. Proceedings were instituted and the defendant fined £20 and ordered to pay £20 4s. 8d. costs.

- 1 Sample was sold in a bottle which bore a cap stating that the milk was "Tuberculin Tested". At the time of sale I was informed that the milk was not "Tuberculin Tested" but was "Heat-treated" milk. The Public Analyst certified that the milk had not been efficiently heat-treated or it had been mixed with a little unheated milk. A verbal caution was given and subsequent observations have indicated "Tuberculin Tested" caps are not now used for heat-treated milk.
- 1 Sample 23% deficient in fat. Vendor prosecuted in respect of another sample.
- 1 Extract of Malt and Arachis Oil. 0.9% deficient in Arachis Oil. The manufacturers have been informed and their observations asked for. No reply has yet been received.
- 1 Sample Pork Sausage. Informal. Contained preservative Sulphur Dioxide 100 parts per million. No notice displayed. Sulphur Dioxide may be included as a preservative up to 450 parts a million, provided a notice stating that the sausage contain preservative is displayed. A notice is now displayed.
- 1 Sample Finest Ground Mustard. Informal. Yields 0.06 of Allyl Isothiocyanate of which Genuine Mustard yields at least 0.35%. This appears to be a very bad sample and has been followed up with a Formal Sample.
- 1 Sample Tonic Wine (Non Alcoholic). The Public Analyst expressed the opinion that this was not a Tonic Wine. The Ministry of Food stated that, in their opinion, there has been an infringement of the Soft Drinks Order, 1943, and the matter has been referred to that Ministry for necessary action.
- 1 Sample Mouth Tablets. Informal. The formula on the packet has now been amended to comply with the requirements of the Act.
- 1 Sample Ground Mustard. Formal. Deficient by 89% of the active ingredient of Mustard. This standard was set by the Foods Standard (Mustard) (No. 2) Order, 1944. Upon investigations, it was found that the substance had been purchased before the date of commencement of that Order. Caution issued.
- 1 Lung Syrup. Informal. Contains no syrup. Chemical Formula not correctly stated. This has been taken up with the retailers and the labels amended accordingly.
- 1 Sample Pork Sausage. Informal. Contains 36% instead of 50% Meat. This is being followed up by a formal sample.
- 1 Sample Mince Meat. Informal. 2.5% deficient in sugar.

Tuberculous Milk

Three hundred and twenty-nine samples of milk were submitted for Biological Examination for Tuberculosis. Reports were received regarding three Positive reactions.

Heat-Treated Milk

Eighty-one samples of milk were taken from the heat-treatment plants in the County. Three samples received unsatisfactory reports.

Supply of Milk to Schools

One hundred and fifteen samples of milk supplied to schools were taken and submitted for Bacteriological Examination. Seventy-six were reported as unsatisfactory.

Pharmacy and Poisons Act, 1933

Pharmacy and Medicines Act, 1941

At December 31st, 1945, there were sixty-eight premises registered for the sale of Part II Poisons. Under the Pharmacy and Medicines Act, 1941, four alleged infringements were referred to the Pharmaceutical Society.

Infant Life Protection

All "Nurse Children" or Children taken for reward are visited quarterly by the Health Visitors.

Seven Children are at present under supervision.

Prevalence of, and Control over Infectious and Other Diseases

The Druid Isolation Hospital is available for the treatment of the following Infectious Diseases :

	<i>Scarlet Fever</i>	<i>Diph.</i>	<i>Dys.</i>	<i>Men</i>	<i>Measles</i>	<i>Total</i>
In Hospital 1.1.45	17	6			23
Admitted 1945	92	99	4	1	2	198
Treated 1945	109	105	4	1	2	221
Discharged 1945	92	94	4	1	2	193
Died 1945	1	3				4
In Hospital 31.12.45	16	8			24

Notifications of Infectious Diseases 1945

	Urban					Rural			Total	
	Am-lwch	Beau-maris	Holy-head	Llan-gefnï	Menai Bdge.	Aeth.	Dwy. celyn	Twr-Valley	Ang-lescy	
Scarlet Fever	9	5	8	4	7	14	5	11	14	77
Diphtheria	1	3	13	18		11	1	4	24	75
Whooping Cough	16	3	4	9	2	26	2	72		134
Measles		3	28		20	9		19	18	97
Pneumonia	9	1				3		14	4	31
Ac. Poliomyelitis								1		1
Puerperal Pyrexia										
Opthalmia Neonatorum										
Erysipelas	1		2							3
Dysentery										
C.S.M.				1						1
Total	36	15	55	32	29	63	8	121	60	419
Total last year	32	5	63	44	8	39	27	54	39	311

Tuberculosis Notifications, 1945 :

Pulmonary	3	1	14	2	3	11	5	10	6	55
Non-Pulmonary			2			3		1	2	8

Venereal Diseases

The Venereal Disease Centre for Anglesey is at the Caernarvonshire and Anglesey Infirmary under the supervision of Dr. Dorothy Lancaster and the House Surgeon.

	Male	Female	Total
Total	25	30	55
Syphilis	9	20	29
Gonorrhœa	12	6	18
Conditions other than V.D.	4	4	8
Intravenous Injections	104	117	221
Intra-Muscular Injections	80	91	171
M. and B. 760	7	3	10
Wasserman Tests— Positive	11	14	25
Negative	15	8	23
Penicillin drops to eyes G.	6	1	7
Swabs and Smears	10	3	13
In-patient		2	2
Number of in-patient days		28	28
Cases discontinued treatment without permission	2	3	5

REGULATION 33B

County of Anglesey

Contacts notified to the Medical Officer of Health during the period 1st January to 31st December, 1945 :

	<i>M.</i>	<i>F.</i>
(1) (a) TOTAL number of contacts in respect of whom Form 1 was received		5
(b) Number in (a) transferred from other areas		
(2) Number of cases in (1) in which attempts were made during the current period outside the scope of the Regulation to persuade the contact to be examined before the latter had been named on a second Form 1 :		
Contacts found		2
Contacts examined or already under treatment		
(3) (a) Number of those in (1) in respect of whom two or more forms 1 were received		1
(b) Number included in (3) (a) in respect of whom the first form 1 was previously reported under (1)		
(c) Number included in (3) (a) transferred from other areas		
(4) Number of those in (3) (a) who were :		
(a) Found		1
(b) Examined after persuasion or already under treatment		1
(c) Served with form 2		1
(d) Examined after service of Form 2		
(e) Prosecuted for failure :		
(i) to attend for, and submit to Medical examination		
(ii) to submit to and continue treatment		
(f) Transferred to other areas		

Diphtheria Immunisation

ANNUAL RETURN FOR YEAR ENDED 31ST DECEMBER, 1945

Immunisation in relation to Child Population ;

Number of Children who had completed a full course of Immunisation at any time up to 31st December, 1945 :

<i>Age at 31.12.45 i.e., Born in year</i>	<i>Under 1 1945</i>	<i>1 1944</i>	<i>2 1943</i>	<i>3 1942</i>	<i>4 1941</i>	<i>5 to 9 1936- 1940</i>	<i>10 to 14 1931- 1935</i>	<i>Total under 15</i>
<i>District :</i>								
Amlwch	7	18	34	37	71	152	125	444
Beaumaris	8	13	12	30	16	90	83	252
Holyhead	13	41	50	89	133	578	603	1,507
Llangefni		15	9	17	17	125	134	317
Menai Bridge		11	14	20	17	63	88	213
Aethwy	19	68	88	134	124	599	561	1,593
Twrcelyn	11	76	60	99	102	481	486	1,315
Valley	12	54	72	71	115	580	632	1,536
Anglesey	70	296	339	497	595	2,668	2,712	7,177

Child Population and Percentage of Children Immunised ;

<i>District</i>	<i>Popu- lation</i>	<i>Ages 1-4</i>		<i>Ages 5-14</i>			<i>Total under 15</i>		
		<i>Number Im- munised</i>	<i>%</i>	<i>Popu- lation</i>	<i>Number Im- munised</i>	<i>%</i>	<i>Popu- lation</i>	<i>Number Im- munised</i>	<i>%</i>
Amlwch	220	167	76	344	277	81	564	444	78
Beaumaris	127	79	62	390	173	44	517	252	49
Holyhead	786	326	41	1,410	1,181	84	2,196	1,507	69
Llangefni	109	58	53	293	259	88	402	317	76
Menai Bridge	118	62	53	223	151	67	341	213	62
Aethwy	800	433	54	1,700	1,160	68	2,500	1,593	64
Twrcelyn	633	348	55	1,220	967	79	1,853	1,315	70
Valley	907	324	36	1,640	1,212	74	2,547	1,536	60
Anglesey	3,700	1,797	46	7,220	5,380	75	10,920	7,177	65

Area Population, Births, Deaths, for 1945

<i>District</i>	<i>Area in Acres</i>	<i>Population Census 1921</i>	<i>Population Census 1931</i>	<i>Population mid-year 1945</i>	<i>Births</i>	<i>Deaths</i>
Amlwch	4,494	2,699	2,561	2,318	45	43
Beaumaris	3,135	1,841	1,708	1,860	29	41
Holyhead	730	11,761	10,707	9,375	190	155
Llangefni	2,510	1,690	1,782	1,685	25	28
Menai Bridge	824	1,798	1,675	1,712	26	23
Urban	11,693	19,789	18,433	16,950	315	290
Aethwy	52,352	11,095	10,760	10,170	178	158
Twrcelyn	53,865	9,241	8,640	8,230	124	136
Valley	58,784	11,619	11,192	10,720	198	149
Rural	165,001	31,955	30,592	29,120	500	443
Anglesey	176,694	51,744	49,025	46,070	815	733

Annual Rates per 1,000 of Estimated Population

<i>District</i>	<i>Birth Rate</i>	<i>Death Rate</i>	<i>Phthisis Death Rate</i>	<i>Respiratory Death Rate</i>	<i>Cancer Death Rate</i>	<i>Heart Disease Death Rate</i>
Amlwch	19.41	18.55	.43	1.72	2.15	4.31
Beaumaris	15.59	22.09	1.61	.53	3.76	5.37
Holyhead	20.26	16.53	.74	2.34	2.77	5.11
Llangefni	14.83	16.62	...	1.78	3.56	2.96
Menai Bridge	15.18	13.43	.58	.58	.58	5.84
Urban	18.58	17.10	.76	1.82	2.65	4.89
Aethwy	17.50	15.53	.29	1.27	2.26	5.01
Twrcelyn	15.06	16.40	.72	2.18	2.79	4.61
Valley	18.47	13.90	.27	.74	2.61	3.54
Rural	17.17	15.20	.41	1.33	2.54	4.36
Anglesey	17.69	15.91	.52	1.51	2.36	4.55

Infant Deaths—Stillbirths

Rates per 1,000 Live Births

<i>District</i>	<i>Infantile Mortality Rate</i>	<i>Still-births Rate</i>	<i>Maternal Mortality Rate</i>
Amlwch . .	22		
Beaumaris	103		
Holyhead	57	42	5.26
Llangefni	16		
Menai Bridge			
Urban	60	25	3.17
Aethwy . .	73	56	
Twrcelyn	88	8	
Valley	86	30	
Rural	82	34	
Anglesey	74	31	1.22